

SEQUENCE LISTING

<110> Bjornsdottir, Soley
Kong, Augustine
Thorgeirsson, Thorgeir E.

<120> Inversion on Chromosome 8P23 is a Risk
Factor for Anxiety Disorders, Depression and Bipolar
Disorders

<130> 2345.2058-003

<140> 10/571,865
<141> 2004-09-17

<150> PCT/US2004/030699
<151> 2004-09-17

<150> 60/504,307
<151> 2003-09-19

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10/55

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tcgctcagaa acaaaccac 19

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```

<210> 61
<211> 222
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 32, 113, 116
<223> n = A,T,C or G

```

```

<400> 61
gaccatgatt aagcaaaaca aataacacaa ancaaaaatc ttctatttcc ccagagtcct 60
gggtttatca caaatgctat taagggttac agttttgtcc tttgataaaa ganganccac 120
gtttggaaat tgctattacc ctttattttt caacacacac acacacacac acacacacac 180
acacacacac acacacacac tcctacattg gtttgtttct ga 222

```

```

<210> 62
<211> 1001
<212> DNA
<213> Homo sapiens

```

```

<400> 62
caaggaattg ctacagcaca tgctgttggg gtgcctgggtg tggggctcct agagggctcc 60
tttaagcctg cctctccctc tctggtagtt gtaactagaa agggatttca ggaaaaaaca 120
caaatttctc tctaggtctt ctcagcctcc ttaccaggca gcaagagctg agagaacttg 180
gagtagaata ttctaaacct tgctcctgta tctgctttct tgcccttaaga gaaaaatcct 240
ttccccaga ttctgctgtc ttacactca ttctcatctt accgatctct ttaaaatttc 300
agtcattctc ggagaccata gggcagaacg caaagaacat aacataggag tcaaatggag 360
cgaacactt cagtcactca cgtgatggct gtgtgtcctt gggtaagttc ttagcttct 420
ctgagcccca acttccttat aacatcattg aagtcctaac agctgtgaga atgacacatg 480
atgcctgcaa atttcataaa wcagtgcctg gtgggttagta gttgggtttg aaaagggttat 540
gctaaaattc caggggtgata cttttctagg tagtcccttt ttgcaggtag ctttcagagg 600
taaaacctga gacccaaca cggtccacct ctgcattttt tttttttttt ttttgacatg 660
gagtcctgct ctgtgcccag gctggagtgc agtggcgtga tgtcggctca ctgcaagctc 720
cgcaccccg gttcacgcca ttctcctgcc tcagcctccc gagtagctgg gactagaggc 780
tcaggacacc acgctcggct aattttttgt attttttagt agagaccggg tttcaccgtg 840
ttagccagga tggctctgat cttctaacct cgtgatccgt ccgcctcggc ctccctaagt 900

```

12/55

gctgggatta caggcgtgag ccaccgcgcc cggccttttt gtttgcttgt tttttgagat 960
 ggtttcttgg tctggtgccc agactctagt gcagtggcac g 1001

<210> 63
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 63
 gtcctctggg tgtttgcagt 20

<210> 64
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 64
 caggctctgc tctccttagc 20

<210> 65
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 65
 gtcctctggg tgtttgcagt gctgagtgca ttgggggtttg tgtgtgtgtg tgtgtgtgtg 60
 tgtgtgtgtg tgagagagag agagacagag agagggagag aggagcacag tagcttgtgc 120
 aaagacctcc tttgctatag aagcctgatt ccaaacctgt cttctttccc agaagtaatt 180
 acaatacaca ttgctgcttc tcttcaatgt gcctgtgttc tggaagctgt gtgtctccag 240
 ctaaggagag cagagcctg 259

<210> 66
 <211> 25
 <212> DNA
 <213> Homo sapiens

<400> 66
 caaatcaata taccacttca ggact 25

<210> 67
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 67
 gcagtaggca catggcaaat 20

<210> 68
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 68
 caaatcaata taccacttca ggactgggtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtt 60
 tcttctcttc cctccctcc tccccttct cctcctcctt ctttagacaa gtactatgtt 120
 ttaagattta ggtatataat tctacttaat ttgccatgtg cctactgc 168

<210> 69
 <211> 24
 <212> DNA
 <213> Homo sapiens

<400> 69
 gagaatgctt gacccccaaaa aatc 24
 <210> 70
 <211> 24
 <212> DNA
 <213> Homo sapiens
 <400> 70
 cctaagagag tgctatgtgc tccc 24
 <210> 71
 <211> 162
 <212> DNA
 <213> Homo sapiens
 <400> 71
 gagaatgctt gacccccaaaa aatcaagatc aaagatcagc ctgggcaaca aagtgagacc 60
 ctgtctacac acacacacac acacacacac acacacacac acagacacac acaaagtata 120
 cccaagtact acaaaaatgg gagcacatag cactctctta gg 162
 <210> 72
 <211> 22
 <212> DNA
 <213> Homo sapiens
 <400> 72
 cccagataag atcttggttc ag 22
 <210> 73
 <211> 20
 <212> DNA
 <213> Homo sapiens
 <400> 73
 accacggtga ccctcaatta 20
 <210> 74
 <211> 253
 <212> DNA
 <213> Homo sapiens
 <400> 74
 cccagataag atcttggttc agaaaaaat gttaaaacag ccagtattat agaatttata 60
 tttaaattat aatatagctt atataattta tatctaaaac gtgtgtgtgt gtgtgtgtgt 120
 gtgtgtgtat gaagtttaggt ggtaaataat ccaattgact tggttaagttt tgggctaata 180
 atatgcagag ttatcagcaa tagggaagac tgaagacttt gctcctctta gagtaattga 240
 gggtcaccgt ggt 253
 <210> 75
 <211> 23
 <212> DNA
 <213> Homo sapiens
 <400> 75
 cttcagattg gaaagtcagg aga 23
 <210> 76
 <211> 22
 <212> DNA
 <213> Homo sapiens

```

<400> 76
aaagctctca gcaaggactt ta                                22

<210> 77
<211> 240
<212> DNA
<213> Homo sapiens

<400> 77
cttcagattg gaaagtcagg agagattttc aatcttcggt tcttcccact aaatgtacta 60
aaatagaaac tggtgttggt tttaactaaa atcagagcag actggaatta cggaaaagaa 120
tattatgaat ggttctatat atatatatat atatatatat atatatatat atatatatat 180
gtagacagaa cttaacattt atgttttttt gttattttta aagtccttgc tgagagcttt 240

<210> 78
<211> 20
<212> DNA
<213> Homo sapiens

<400> 78
gatcttggct ggcagaagaa                                20

<210> 79
<211> 21
<212> DNA
<213> Homo sapiens

<400> 79
gctccgagaa gaacatatgg a                                21

<210> 80
<211> 289
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 241
<223> n = A,T,C or G

<400> 80
gatcttggct ggcagaagaa tagaatcaag aaaattttct caaaggaaga agagaattgc 60
actgaagctt tgggaataaa aagaagttag ccacgcaaag atagagtctt ccaggtgaag 120
gaaaggcata tacaaaggaa tggcagtaag aaagaacaaa tcatgttcaa gaagctggaa 180
ggagttggcc gtggctgagc gttgggtgag atgacagtgg agaggtgaag aggccgacag 240
ngggggcagg gccagaagca gagaggggtc catatgttct tctcggagc 289

<210> 81
<211> 20
<212> DNA
<213> Homo sapiens

<400> 81
tgcatatgtc tggcctgtct                                20

<210> 82
<211> 20
<212> DNA
<213> Homo sapiens

<400> 82

```

tttcttcttg gctttccttg

20

<210> 83
<211> 350
<212> DNA
<213> Homo sapiens

<400> 83
tgcataatgctc tggcctgtct cctggcacct ctgctttctc ttcatagaagc acccaggtaa 60
cccattatcc agagctctta ctaattctgt tcagtgtttg tttcttgctg ctggggcagg 120
aggtggagaa caaaggggaat gaggggaacat tgagaaattt ctcttcattg tgaccagcta 180
gggcaaattg tccttggtct tctaaccag cagcaagtat tcattgcaaa aacacacaca 240
cacacacaca cacacacaca cacacacgca tgccatttat gcaaaacaca 300
ttagtgaggg tatttttctc ctttaagcac caaggaaagc caggaagaaa 350

<210> 84
<211> 21
<212> DNA
<213> Homo sapiens

<400> 84
gcactcacag ctttgcaagt a

21

<210> 85
<211> 20
<212> DNA
<213> Homo sapiens

<400> 85
tccctgagtg gagaatctgg

20

<210> 86
<211> 138
<212> DNA
<213> Homo sapiens

<400> 86
gcactcacag ctttgcaagt attgctgctc agtgaaaatg taagtgccat acatgtgtac 60
catcacacac acacacacac acacacacac acacacacac acacaccccc ttctagaccc 120
agattctcca ctcaggga 138

<210> 87
<211> 20
<212> DNA
<213> Homo sapiens

<400> 87
aggatcagca tggaatttgg

20

<210> 88
<211> 18
<212> DNA
<213> Homo sapiens

<400> 88
cccatccgta aatgttgc

18

<210> 89
<211> 383
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<222> 303

<223> n = A,T,C or G

<400> 89

```

aggatcagca tgggaatttgg ccaaaacaga tataagtcag atttaggtct caagcattga 60
ggcctgatgc agcattttatt tattttattta gagacagggt ctctgtcgca agactggagt 120
gcaactgctgc aacctcagtt cactgcaatc tcagccttcc gggctcaagc tattctccca 180
cctcagcctc ctgaatagca ggggctacag gtatgcacca ccacaccggg ctaatttttt 240
gtagtttttag tagaggcaga gttttgccac attgccagg ctgggtcttga actcctgagc 300
tcncacttgc ctcagcctcc caaagtgtg ggattacagg tatgagccac tgtacctggc 360
ctgatgcaac atttacggat ggg                                     383

```

<210> 90

<211> 21

<212> DNA

<213> Homo sapiens

<400> 90

```

tcctgagtcc aggctatttc a                                     21

```

<210> 91

<211> 21

<212> DNA

<213> Homo sapiens

<400> 91

```

gcctccagag tacatggaca g                                     21

```

<210> 92

<211> 303

<212> DNA

<213> Homo sapiens

<400> 92

```

tcctgagtcc aggctatttc ataagtgaat tatgaaacta ttattttttt ctgaattgaa 60
aaataaatga ttataaaaaga aaaaattaag aaaaaagtga aagttatcta tatttctacc 120
atcagagaca actgctgtta acagcctgga tatattcttt caggcttttt ctattctctt 180
ttacacacac acacacacac acacacgtgt gtgcatgcac acttaataag acctaaaata 240
actgcatttt gttaaagtta catgttgaag gaaaaaagtc tactgtccat gtactctgga 300
ggc                                     303

```

<210> 93

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 93

```

ctagataact taaaaaatgt tttttttctt caggcttatg ctcatactaa caagctctgt 60
cgaattatth caatgtgcgg aataaaaaggc aagaattatt ttctgggtgca gtttagacct 120
tggatgagta ggggttatgca gctgtttgct gcagtagttt tggggagaca cacacctgac 180
ttaagctatg tgaatttgga tatgaagttc caagtgtgaa atatgaacca aaggatttct 240
cttaacgtaa cgatggaact caagcctgaa ctatttttct tcatatacaa cctggcagtt 300
atthttttcag aataaggaga tttatgaaag agctgaagtc tgggcttcat tttgcgtgta 360
catttgcttc cgctgttgcc ggatggttgg taaaggaaat tgatagagtt tttaaagtga 420
ggactgtatt gtttacttta tgtgttgttt taaagtagga aggaacacag tcgccctgct 480
atcagcctct ggtttcttgt sccagtggcg ctaagagtca actcttctgc ctgacagtgc 540
ctgcctctac cgtgcctgtg ctgagatagc tcctcctggc ttcagggcct ttatggctga 600
aacttcaatt atatatataa aatatataaa ataattatta atataactta atataataat 660
atataataac ttttttgaga cagagtcttg ctctgtcggc caggctggag tgcagtggca 720
tgatctcggc tcaactgcacc ctccgtctcc cggattcaag cgattctcca tacctcagcc 780

```

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tcttgagtag	ctgggattac	aggcgcccag	cagggtttcc	ccatgttggc	caggctggtc	840
ttgaattcct	gacctcagga	gatccacctg	ccttggcctc	ccagagtgc	gggattacag	900
gcgtgagccc	ctctgcccgg	ccaactttgt	atttttgctc	aaagtttgat	ctgtacattt	960
tgaatcattt	ttatcctttt	tccaattttc	caactaacca	a		1001

<210> 94

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 94

gttacatgat	gaccattagt	taaatgaact	aaagaatgat	tgagcttata	ttctgtagta	60
tcgtatttgg	aagtttgtgt	ttcaataaaa	ctcttttagt	ataattcagg	ccaataggta	120
ttaatattaa	tgaatgtcag	taaatggaag	ctatgttttt	accttctagc	acaaacatct	180
ttagaaattt	tattacgact	gtgtatgtgt	gtccagtggc	tgactttcca	agcagttatt	240
agaggagatc	tgagttttta	gcttctgcat	tatgattcat	ggtgaatatt	tatggaagag	300
aagtgtttct	acaaatatgt	aaaaatatgt	gtgagtgaag	gaaatggctc	ccagtatgac	360
agaagaaaaat	atcctaaaga	gatccacagt	tatctgcagt	ttccccaagg	ttgtgtttac	420
ataaaaaaaga	cattgtttta	tggtctagca	tcaagagatg	attttacgat	ataacaagtt	480
ccacaaagaa	ctctcgtaag	rtgggttctca	gtcccggcat	aactgctacg	gagatcacag	540
agcaatatta	ttctctggat	ttattggggt	tgctgcattc	tgttagcatc	attcatattt	600
ttctcccatg	ggtaccactt	tcctctcttt	tcctaatacc	aagatatgga	gactcattta	660
tgccgtggag	tgtgatgctg	ggaaatgaat	gcttgcctat	tacctctctc	cacaggacct	720
ttcatgacca	tacgtcgatg	tctgccgcct	cagtataaat	aggcacattc	agaaatgtgt	780
tctctagtga	agggcatggt	ggcttggtgg	aaagcacagg	gacttcacgt	ctggactgcg	840
agtcagagct	gtgcgtcatg	tgcttactgg	ctgtgtgacc	ttggataaat	ttgcctcagt	900
tttctcattt	gtaaaacaga	cagtcgctat	ttctgggaat	agatgagata	ataaggaaag	960
aacctagaat	ggtacctggc	tcctgccagt	tgacacagaat	g		1001

<210> 95

<211> 22

<212> DNA

<213> Homo sapiens

<400> 95

tggcggttgt	tattaatacg	tg	22
------------	------------	----	----

<210> 96

<211> 22

<212> DNA

<213> Homo sapiens

<400> 96

tccattctca	ttctcattct	ca	22
------------	------------	----	----

<210> 97

<211> 299

<212> DNA

<213> Homo sapiens

<400> 97

tggcggttgt	tattaatacg	tgatttcact	tttcatttat	ttcattttta	tgtccattgt	60
ggcttctaac	ctcatatttc	acacatagca	ggactacagt	aaatacttaa	taaatcaatg	120
aatgcaagta	atgactatgt	atatactagt	ggagaaggaa	ggaggggagg	gaaaggagag	180
gagagggcga	gagaggtggg	ccaggcagag	gagagaagag	agggagggag	agggagagag	240
agagggagag	ggagagggag	agggagagag	aggagaatga	gaatgagaat	gagaatgga	299

<210> 98

<211> 1001

<212> DNA

<213> Homo sapiens

```

<400> 98
ttgtaggact tttagaaaac atgggggtgt gcctttggcc acacgcatgc ttgtggatct 60
acaagaacag cggtcctgta actcttcagg gaaggggcac cacatatctg tcctgtcacc 120
atggcaaagc tggaggggtc tgcagagcta cccagcatgc tgctgggtgt gttgtaacca 180
agcagagggc aagattctcg ccatgagaat tgatgtacat gtctagcatg tgaagcatcc 240
taagggctga ggtgggttcc tgaaacctgt ggaggaaaat gctcagtga agaagccaaa 300
gaaaaaggca ccaggctcag cgggagcacc cgcctggaga agcatacttt gtgaggatca 360
gcagaaagga gctgagtggt gaagctgtcc ccaagtcata gcacaaaagt attcaaaaga 420
aaggatttct ggattgtttt ttaaaaaaca aaactgtgat gtaaatagat aattgtgtct 480
tgtggctctga ttaggaatgt ragtggatcc agagtacagt ggggctgagg cagtggaaat 540
atTTTTTTgt gTTTTTTTTt ttaactttta ggtcagggat acgtgtgcat gtttgtttta 600
tgggtaaact tgtgtcacgg gggttcgttg tacagattat tttgtcacc ggataccaag 660
cctagcacc caatagttaa tttttctgct cttgtccttc ctctgccct ctacactcaa 720
ggaggcccca gtgtcttttg ttcccatctt tgtgtccatg tggtcacatc atttagctcc 780
cacttctaag taaaaacatg aggtatttgg tttcctgttc ctgtgttagt ttgctaagga 840
taatatccgc cagctccatc catgttgctg cgaaagacat gatgtcgttc ttttttatgg 900
tggcatagta ctccatgggtg tatatgtacc acattttctt tttacattct gtcattgggc 960
attaggttga ttctacatct ttgctattgt gaatagtgtc g 1001

```

```

<210> 99
<211> 21
<212> DNA
<213> Homo sapiens

```

```

<400> 99
tcaaagggaa gtgtcttggg g 21

```

```

<210> 100
<211> 21
<212> DNA
<213> Homo sapiens

```

```

<400> 100
ccctccagag ttcacagaat g 21

```

```

<210> 101
<211> 137
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 102
<223> n = A,T,C or G

```

```

<400> 101
tcaaagggaa gtgtcttggg gtctcactgg cacatatcca gcatgatgtt ggtaaataac 60
cgagtcgccg tgtggcggtat ttctccctga atcttgactg anaaactact gaagcccatt 120
ctgtgaactc tggaggg 137

```

```

<210> 102
<211> 1001
<212> DNA
<213> Homo sapiens

```

```

<400> 102
gtgatactga tgacagtggg ctgaaaactg gcctttggaa gtcatagaca caatgaattt 60
acctgtcacc accaccacct cccctaggaa cttctgaagg acatctacat tccgtagaaa 120
taaagtttta aattgaagga aaaaaatatt caaacttaca tcatgactta agcacctaag 180
agacttaaag aacatatcaa aattacaact gtgtcactga atcaaattta catttttgac 240
acaatcatta caaatcatt acttggttaag aattttccaa tagtcctact ggattgtttt 300
tatttagaat taccttaaga ttctgcatt tctactcaca attttaatct gtcattactc 360

```

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```

atgaatatct gtgtctatga gattttttat tatgagattt tagtttccct taagatttgg 420
gttctcatat gaaatcttca ggaagaacct taaagaaagt tcaaattttc ataaagccct 480
tttccaaaca cattgacact scaaatTTTtg acctgactgg taaagatctg tgatttgtat 540
tgttcaaagt tgattctcta aaaataccta agaggccgac cactacatct tccgactca 600
tgaaaggcag ttttccagat ctgacatgtc ctatgggttc actacataaa ttggctaggg 660
caagttctac taactagtac actccattct cttgctaact agcacactcc tgttaactag 720
aatgccccac tctccacctc tgcctactaa gggtagcact gaataacaaa ccctccaaca 780
acagatgggg taggaagagc agtctgtctt gtcagagtgg aaaccaacag ggaggctggg 840
ctcccattag aacatgtgca gttaccgcat gttccttcag tgtcttatcc aaatgtcccc 900
tctcttccag ctctttcccc tgcttttaga cttcactcag aacacagcca cgtacacaac 960
aatttccagg gcagcctcca cccctgggat cctagaaagt t 1001

```

<210> 103
 <211> 1001
 <212> DNA
 <213> Homo sapiens

```

<400> 103
tgtttgcta ataacagtgc attgaaatat atgtttgttt tgtgtgggtt ttttgcata 60
gttttgttt ataacaaaag gctaaaaata agtattttaa gaaaatagtg catactatat 120
tttatttgct gatattcata atgatcacca gattattgaa atttatgagt aattttgcta 180
taaataagcc tgttttcttt gtttaaacac acacacacac attttcacac tcacaccttc 240
aaagccacat aatagaatgt ttagcttaaa cctgcagccg ctagttgaaa tgttgcttca 300
tggagtttta tcctcctaac aacctgtgtc ctaagtcaca ttctctcca gaaatgtgga 360
cattgaccat attccagtc ctgagacgct gtttcagcca cacgtggcac ccagaccct 420
tgccacactg catcctgggc attcatctc ctctcatgg ggtcatttct tgatccctat 480
taagcattaa aaggggatta matatctct tacttgagc taatgttttg cttggtttgg 540
ccaagaacat ttttagtttt aaaaacctgg ggctattgga gtgggacct gggcaaagg 600
caggacaggg tagctactaa aatggcctgc cacggacct gtacgtgaag gttgaaggat 660
tctggtgctc tctggtgcca tcgctgttag tcggtgtgca gcacagaaat attttattca 720
acaaactctg cagactcctg aacttttagg gtgggctgcc ttctgcctgg tgctctgcac 780
agatcctgga gctctcgtgg tcatttatgt gcagtgaagc tgctccactc acctacagct 840
tgtccttttc cagagaatcc ctatcatcct cccctcatcc caaggaatgc aacaaaggaa 900
aattaatagt gaatgctttt gccggagacc tgtggatact taatttttat agatactcaa 960
taaatattta tttatattca ctagcagcaa gcaattcact t 1001

```

<210> 104
 <211> 20
 <212> DNA
 <213> Homo sapiens

```

<400> 104
gactttccta aaagcccagc 20

```

<210> 105
 <211> 20
 <212> DNA
 <213> Homo sapiens

```

<400> 105
gcatcttgca tgggtgtattg 20

```

<210> 106
 <211> 170
 <212> DNA
 <213> Homo sapiens

```

<400> 106
gactttccta aaagcccagc cagttcagat gatagggtgca gacacatcat attgcatata 60
ttcacattac acacacacac acacacacac acacacacac tctcaccctt ctctttgctg 120
gggaaagggt tggtgcagaa gttaccattc caatacacca tgcaagatgc 170

```

20/55

<210> 107
 <211> 20
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 10
 <223> n = A,T,C or G

<400> 107
 aatcacctan actactgccca 20

<210> 108
 <211> 23
 <212> DNA
 <213> Homo sapiens

<400> 108
 atctgatggg gagttatgta ttc 23

<210> 109
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 109
 aatcacctat actactgccca cataagcact atcaataaat tttatcaatc tcttcctggg 60
 tgcctaccag atgtgtgcat gcacgcgtgc acacacacac acacacacac acacaaattt 120
 cttccactgc attcattaca gcatgctttt ctctcttacc actatattgg gaatacttcc 180
 ccatgtcact aaaactttta gaaaacacca tttataatga atacataact ccccatcaga 240
 t 241

<210> 110
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 110
 gccattcgtg tgggtctgata 20

<210> 111
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 111
 aaatgtttct gctgccatcc 20

<210> 112
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 112
 gccattcgtg tgggtctgata acagcagcag cattaagttc ccgtccattg gctgcaagca 60
 gggaggaaaa aaggccccag cgcctactgc ctgctttcct gcctgcgtta atatcatctc 120
 ttatcttacc aactaacata taggggtgtg tgtgtgtgtg tgtatttatg tgtgtgtgtg 180
 tgtgtgtgtg tgtgtctggg tatatatata cacacattta tattcggtta tttccgtgga 240
 aaagaaaggg atggcagcag aaacattt 268

<210> 113

<211> 21
 <212> DNA
 <213> Homo sapiens

<400> 113
 ccatggccta tgacctattc a 21

<210> 114
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 114
 tctcctccca gcagtcacat 20

<210> 115
 <211> 147
 <212> DNA
 <213> Homo sapiens

<400> 115
 ccatggccta tgacctattc aggcctctgtg tgtgtgtgtg tgtgtgtgtg gtgtgtagt 60
 tgtagggaaa gatacacggg ggatgaatga gagctggggc tggggatata aagcctattg 120
 actccccatg tgactgctgg gaggaga 147

<210> 116
 <211> 1001
 <212> DNA
 <213> Homo sapiens

<400> 116
 cctgggcctg caggtggctg cgaagggagg agggaggagg gaggtgggca gtggcgctgg 60
 cctccctgcg tggaccact tcctcccacg ctgtgctcag agaattctct ggagaccgca 120
 gctgtgcctg ggaggccatc cttgtgccta ggaggacagg gaagaggggtg gatctcagac 180
 acaggcaggc tgggaggtct gcacagggtg ggccatagaa catggacgcc tccagtacgc 240
 aggcacaggc agctcagggc cgggagcgag gcccgctctca gcaggcggtg tcagccgcgg 300
 agtgggtagg tcctctgagg acgatcacac ctgtgggcaa gagcacaccc gggctctggg 360
 ccaagtaagc ctgtgaatcc cactggcggt gtgaaccggg agcccttggg atccgatttt 420
 ttatttgcta tttggataca gctgtaagag atgacagatt attttacatc cctcagttct 480
 ccgaacttgc cttggaccag raatgtcagg ccctcaccgt gcctttttct cttctccaaa 540
 ctctctgggt ctgcctggag cagatggcac cccccacaga cgtcgtcctt attgttgtca 600
 ccagaatatt ccatttcac agccacctgg catcccaaag ccttccttca gtgggcagcc 660
 tcttcacagg caaatgctag cgatgggttca agtcacacgg ccagcacata ctccatttcc 720
 aaggaggtca ttgctaactc taaatctacc cctgttagtt agccaacccc acgtgctcat 780
 tcttagagag gttctgttcc ctgaaaacag tctggagcca aatgctgtgt gagctggggc 840
 ccggtcatgg aaacagaaaa cttccattcc gtcaagctgg atggattcta cagaaggaat 900
 tcggtgttta cagaatcgtt agcagggtg ttcgcgtgaa ggtcagggaa aagcacccca 960
 agatttcagg ataccaagaa gttactgaaa ttgccaaaag t 1001

<210> 117
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 117
 gtgctttgct gacatctgga 20

<210> 118
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 118
 ggacagggtg gactcacaaa 20

 <210> 119
 <211> 412
 <212> DNA
 <213> Homo sapiens

 <400> 119
 gtgctttgct gacatctgga aattccacag aggctggtgg agcgatcagc tggagtgaag 60
 tgagacagac ctgagggaaa atgctagctc tgcctcttat agattgagtg accctgcaga 120
 agtcacatga tcattctgag gctcagtttc tttgtgtgta aaacagcgat aatcataccc 180
 atgttgcagg acttggggaa gattaaatac tatgcataca cacacatata tatgtgtgtg 240
 tgtgtgtgtg tatatgtatg tatgtatgta tatactttgt acagagcctg agatacagta 300
 agtgttctct acatggtaga tattattatt gtcttcttgt aaaggagaga aggggattat 360
 ttgctgagaa ctttaaaaaa atctcattcg cttttgtgag tccaccctgt cc 412

 <210> 120
 <211> 20
 <212> DNA
 <213> Homo sapiens

 <400> 120
 ttccagtgcc tgtttcacaa 20

 <210> 121
 <211> 20
 <212> DNA
 <213> Homo sapiens

 <400> 121
 ctgggaggtc ctttcttggg 20

 <210> 122
 <211> 141
 <212> DNA
 <213> Homo sapiens

 <400> 122
 ttccagtgcc tgtttcacaa agtatctgaa tgaatgaatg aatgaatgag cagctgaatg 60
 tctttctttt ttatggggcc acatatgatt gtctcctttg tagctatgcc aggtagacat 120
 aaccaagaaa ggacctccca g 141

 <210> 123
 <211> 20
 <212> DNA
 <213> Homo sapiens

 <400> 123
 ttgtgggctg tgtagagtgc 20

 <210> 124
 <211> 20
 <212> DNA
 <213> Homo sapiens

 <400> 124
 gctgtgccca gaaacctaaa 20

 <210> 125
 <211> 250
 <212> DNA

<213> Homo sapiens

<400> 125

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ttgtgggctg tgtagagtgc tctaaaccca gctcggcctt tgctgtatta gacagaagca 60
cctcattcat atccctgggg cccctgatgg tgcagtggtc tggctgtggg ctgcacacca 120
gctattctgt tttgttttgt tttgttttgt tttttcctac ctttttccaa tcctcacacc 180
ttctgatcaa cagccccagt agggttttaa ggtcctagag ctacatggga tttaggtttc 240
tgggcacagc                                     250

```

<210> 126

<211> 20

<212> DNA

<213> Homo sapiens

<400> 126

```

ttgcatggag atgaacaacc                                     20

```

<210> 127

<211> 21

<212> DNA

<213> Homo sapiens

<400> 127

```

tccactcaga gaaagcaagg a                                     21

```

<210> 128

<211> 396

<212> DNA

<213> Homo sapiens

<400> 128

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ttgcatggag atgaacaacc aggtttgtgg ccacatcttg ccgtgtgtgt gtgtgtgtgt 60
gtgtgtgtgt gtgtgtgtgt gtgtattgag acagggctct gctcttttgc tcaggctgga 120
gtacaggcgg gtgatcatag ctacttgca gcctcaaact cctgggctca agcaatcctc 180
ccacctcagc ctctgagta gctgggtcta caggtgcaga gcaccgcgcg tacctaattc 240
ttttaacttt attttttgta gagacaggtt ctcccatgt tgcccaggct ggtctcaaac 300
tcctgggcac aagtgatccg cctgcctcag cctctcaaag tgctgggatt tcaggcaaga 360
gccaccgggc ctggttcctt gctttctctg agtgga                                     396

```

<210> 129

<211> 20

<212> DNA

<213> Homo sapiens

<400> 129

```

tgctgaatgt cagggtttga                                     20

```

<210> 130

<211> 20

<212> DNA

<213> Homo sapiens

<400> 130

```

ccaccctagc aggtctctgt                                     20

```

<210> 131

<211> 361

<212> DNA

<213> Homo sapiens

<400> 131

```

tgctgaatgt cagggtttga ctgtttccat aacaggaagc tgctcactgt ctactgtat 60

```

```

taaggaactc tgggtctacac aatagagttc caacaaaacc ctaaactc catttgctgg 120
gggaacctca ttgaatccag ctctcattgt ttcttttata ggctgaatcc tgtatttaca 180
gtgagagggg tgtgtgtggc tgtgtgtgca cgtgtgtgtg tgtgtgtgtg tgtgtgttcg 240
cgcatgcaca tgtgggttta acaagatatg aagcctggct tgtcaccttc caagttctcc 300
acttgaactt gagcatagat cagggtgccca tgattcccca gacagagacc tgctaggggtg 360
g

```

```

<210> 132
<211> 19
<212> DNA
<213> Homo sapiens

```

```

<400> 132
ctgaagagca aatggccct 19

```

```

<210> 133
<211> 19
<212> DNA
<213> Homo sapiens

```

```

<400> 133
taagatcaca tggccccct 19

```

```

<210> 134
<211> 335
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 171
<223> n = A,T,C or G

```

```

<400> 134
agctgaagag caaatggccc tgggaagtat tcctttaggg ttacacacac accacacaca 60
cacacacaca cacacacaca cacacacaca cacgaaaatc tctaaagagc aatgagcata 120
gcagcctgga tgggtgctcat ccaaggataa gtctccagac aaatagcaca ncaggggggc 180
atgtgatctt agttcacgaa gacattcaat aaagacccaa caaaacccac gcaacagtct 240
atgtctctgg cccctgcag ggaccttgct ctagcacacg gagcaggggtg gggcatggcc 300
acagtggccc ctactgccct gcacttccca cagct
335

```

```

<210> 135
<211> 1001
<212> DNA
<213> Homo sapiens

```

```

<400> 135
ttccatgcat tccacttctt tctggatctc tggtttcaca ggcaagatgg gacaggcaga 60
gagaacctgg gcatgtgccc tctgtggaga aagtgacttc agaaaccgct gaggctctat 120
tagcctggga ttctaaactc ggggggacat gaaaaactca agagacgagt catcaggctc 180
tatattcata agactcttct ctgtgtgtgt gtgtgtctct tttcaaaca atagcactgc 240
gcagcatcct tagagactac agccaaatgt ccttcattga ttttctctac atttcaagaa 300
tctcgggacc atgcttcta tctaattgtgt gaccttgaga gttaaaatca aggggaaaag 360
gtcaccgaat tgggggcaag tttgagttcc cgtcaccagc cacaatctct atatcaaatg 420
gaggacaaca caccacctgg gcctcagcca ggtttgcctg aagcaggggc aggcagcctc 480
aaggcctcca tggtaggctg rggacatggg gacgtgggga aagggggtgc agggaaactg 540
ggaactagga ggggagcgtg agaaagaggg aataaatgcg tacgcggatg aagaggaaca 600
gcaggaggga atgaaggcgg cgcacagggc agaacggcag acacagggct ggggaaggtg 660
cagggccgga ctccagaacc tcagctgagc gttttcttct cctgtgtccc agggatgggtg 720
tgaagtgtct acaggcatcc gagtgaaccc aaagggagag tttggctggc acacggggag 780
acgggccaag gcgcggcggg cgagggcggc acaagcatgg cgctgcgaca ccactgctgg 840
gagcagggct gaaaggtgtc ttttgctgta aggactttca taaggcagtc ccaatccaaa 900

```

25/55

gactggcttt aatttcacgg ccttagcctc tcagtttctt aagccttctg aggacctcct 960
 gatcatgaca attaagtcac tatttacagc catgtgacag a 1001

<210> 136
 <211> 1001
 <212> DNA
 <213> Homo sapiens

<400> 136
 atgtggatga tctaccacta taggtgtaat ctttaacatc atcttattcc ttcttaaagt 60
 aagttatccg cttgtaaact gcttatttct ttggggcatt gtccccataa actttttata 120
 aagcatcagt gatttcacca ttccacccaa gcttcaccat aaatttggtg tttgttcttg 180
 cttcaatttt agcagaattc atgttggtct gaaagggggc tctttcaa at tgatgtctta 240
 gtgcctcaaa ctagatcatg ttctaacatg ttataacaag ttattacaag tgtatttttg 300
 tgcaaaaaaa ttgaaatcca tgcataatat gacctttcca tgaagttttg gaagacctct 360
 cctatgctta tgcatacact ccccaaactg atcaatccag ttgctattgc ccaagggaaca 420
 gaaggctcat cactccatgg aggggttttc ctgcagcccc tacctaagac cttctcactt 480
 tctctgacag tctatcatc rtgtcgtaaa aggctgccc acttagtcca acacactgga 540
 aatggatgat tgacaacatg ttattttacc catcccctgg gggaaagtct cagattttgt 600
 gaggttggtg cccctgcaat gtgctttaaa ctcagctttc tgttgcttgt gtctctgggt 660
 cagaagaatt tgtcagtgat aatgtttttg ttaaagtcct atgcccagtt aatgccaaact 720
 cagcgtcttc atcccctagg gctcctgtaa tcatttttct tgccttctct tacagtttct 780
 gtatgttata gaagttcaaa gaagacaaac tctagccaag agcagtgtga agaaaagaag 840
 acgctatatt aatcacagtc cagggatgcc ttctggcttc ctggcagcaa ttccggcctg 900
 agattccttc tctgtgcata cttcctgtca acattgtgtg atgtcaagct gtggccgtca 960
 caaaagtact gtgaacacct gtaaattccca actatcaaaa a 1001

<210> 137
 <211> 1001
 <212> DNA
 <213> Homo sapiens

<400> 137
 ttgttttgat cctaagaaaa atgggtgtca ttttatccag gaatotaaga attataataa 60
 taaattaata aagtgaatgt gataatcaaa ctgtgaggat acgaacaaca taagatttaa 120
 tgatcgttgt caaaaccagt ccgtagggtc gtggaacttt atcgtaaat tgcactttga 180
 tatgtgttta aatatatttt ctaagtattc cacaacccaa aacaggagccc cttagaggta 240
 atctagagga atcccctacg ttacagacag agccactggg taagggtcta gagtcacaca 300
 gggagttact gcagaatcac tactggaacc ctgtgctctt tctgcaggga ttccgatatt 360
 ttggttggat ttgcattctt acgtcaatgt atgttctcca actctgctct tacatattga 420
 aaggcaggca gctattttta aacaccctgc ctattagcct tcggaacata ataataatgg 480
 caagcaccct ttattgcttc rccgagctgc agacaccctt ctagggtgtg aacagagctc 540
 agtaaagata gcagcctcag gtctgtgtgt tgctttgagc cacgagctgg tctgcaggca 600
 gcagccatgg gccgtgcctg tgttggtatg tttaagaaca ttggcgaata caggaattac 660
 atggactagg tttagaaaac aaacagtaac gtacaaaaag gaagggttga tatggactgc 720
 aaggacataa agcagggtgca catgcgtgca ctaccagaat agctacacgg tgggaaggaa 780
 ttccagaacc acgtgagaaa gagttgttag gacaatgcag tcgtgaaata ccatgtttcc 840
 aaccctatca ctctatttta aaatagataa taattataat ttttattaat atcaaacaaa 900
 ttagcttttg gacctatggc cctaacttag gggctcaggg tgcagtcctt tttcttgca 960
 acctggcagg ctgcgcagat aactgcccc agcgttggcc a 1001

<210> 138
 <211> 21
 <212> DNA
 <213> Homo sapiens

<400> 138
 ccagacattt cacacactgg a 21

<210> 139
 <211> 20
 <212> DNA

<213> Homo sapiens

<400> 139

tttgccagaa ctagcgggtgt

20

<210> 140

<211> 140

<212> DNA

<213> Homo sapiens

<400> 140

ccagacattt cacacactgg aacatatata cagtacacac acacacacac acacacacac 60
acacacacac atgctagcat gaaacatctg aagtacacag ccataccttg aaaggacccc 120
acaccgctag ttctggcaaa 140

<210> 141

<211> 20

<212> DNA

<213> Homo sapiens

<400> 141

aaatcgcagc tacacacagc

20

<210> 142

<211> 20

<212> DNA

<213> Homo sapiens

<400> 142

tttctgcagg tggtgcaagt

20

<210> 143

<211> 259

<212> DNA

<213> Homo sapiens

<400> 143

aaatcgcagc tacacacagc aaagactaac agtatttact taaaaatatt gtgtgtgttt 60
atatatatat atatatatat atatacttat tatatatctt ttttgtgatt ttttttcttt 120
tccttttttt ttgtgcccac gtagagatac gatgcgattg aaacgatgcc ctagaacaga 180
aatattcttt aaaggaacaa tactttgaaa aataaaaaaa aatttaaatac gttgaacata 240
cttgcaacac ctgcagaaa 259

<210> 144

<211> 20

<212> DNA

<213> Homo sapiens

<400> 144

ggtgaaagac agaagcacca

20

<210> 145

<211> 20

<212> DNA

<213> Homo sapiens

<400> 145

tggtgggaag ccttaaattg

20

<210> 146

<211> 185

<212> DNA

27/55

<213> Homo sapiens

<400> 146

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ggtgaaagac agaagcacca aacagtcttt gaaatgggtc agttattaca attttgactt 60
tttatatata tgtatatata tatatatata tattctagtt ttcctctttg tgttatTTTT 120
ttttttaaaa aagcacaaat gaaaaatgaa gaattctttc cagatcaatt taaggcttcc 180
cacca                                           185

```

<210> 147

<211> 23

<212> DNA

<213> Homo sapiens

<400> 147

```

ataaagaggg tgtgtatgtg tgc                                           23

```

<210> 148

<211> 27

<212> DNA

<213> Homo sapiens

<400> 148

```

ctcatcttct ctctacagat gtactcg                                           27

```

<210> 149

<211> 210

<212> DNA

<213> Homo sapiens

<400> 149

```

ataaagaggg tgtgtatgtg tgcatatata tagagagaga ggcgagtata tatacatata 60
tatatataga gagagaaaga gatagggtgt gtgtatagat agagagaaag aggggtgtgtg 120
tgtttatata taaagagagg gcgagtatat ctatatgtag agagtgtata tatctataga 180
gggcgagtag atctgtagag agaagatgag                                           210

```

<210> 150

<211> 20

<212> DNA

<213> Homo sapiens

<400> 150

```

gcaggacagg acctgagaac                                           20

```

<210> 151

<211> 20

<212> DNA

<213> Homo sapiens

<400> 151

```

ccacatcgct attggaggat                                           20

```

<210> 152

<211> 399

<212> DNA

<213> Homo sapiens

<400> 152

```

gcaggacagg acctgagaac cagatacgcc tgcaggtgcc tgtccctctg cgccccccgg 60
gtggtgttag ggctccctgt gcacggaggc ctgcaatcat ttggacaaca catggttacc 120
aggtgtctgc tatgtgccaa acgatggtca caggagggtg agaaagacag tctccacgtt 180
caagagtaca aagtccgtga tccaggaaga caatgaggca gccactgtgt ctcatttctg 240
gatgaatgga tgtcaciaaag ccatggaagt ggttcagttg cttccatata actaggctac 300

```

28/55

ctcgctgtc tctctctctc tctctctctc tctgtctctc tctctctctc agagcaggct 360
 acctaggatt ttacttgcaa tctccaata gcgatgtgg 399

<210> 153
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 153
 tctaagattc gccagcttcc 20

<210> 154
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 154
 attctagggc ttgcagggtca 20

<210> 155
 <211> 278
 <212> DNA
 <213> Homo sapiens

<400> 155
 tctaagattc gccagcttcc cccgccagag agcgtccagc actcaattct aagatcaccc 60
 cttctccac tgagacagct agccttgac aaggcattcc caagcaagct cccaacaat 120
 ataaggagaa gaaagagaag gagtggctac acacacacac acacatacac acacacacac 180
 acctcttagt tgtcattttg aacctaatg ttttaacacc agctgtcaca tctgcagaat 240
 tctcttctct ggtactagt acctgcaagc cctagaat 278

<210> 156
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 156
 cccaaagtca tgaaatgaga 20

<210> 157
 <211> 22
 <212> DNA
 <213> Homo sapiens

<400> 157
 acaacatacc tgtaggagg tg 22

<210> 158
 <211> 386
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 142, 149
 <223> n = A,T,C or G

<400> 158
 agctccattt cactaataag gagacagatg tggagggttg ggagttggtc ccagggtcacc 60
 caactgggga gggcagaggt tggggagggg caggagtcaa taacccaaag tcatgaaatg 120
 agaaaggaag taaacacttg gntggagant cacacacaca cacacacaca cacacacaca 180
 cacacacctc ctaacaggta tgttgtctgc aacaaggcaa aaataattca ttaatatctc 240

atttaaactt	gagggcgagg	gaattcctga	accacctctc	tggagcaa	aatggaaatt	300
ggaaattgat	tgtcatttac	ctttgaggaa	gacttcggga	tgtgccatgt	ctttggtata	360
gggctgcgtg	gtgtttgtgac	gcatgt				386

<210> 159

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 159

gattggcttt	tactctatgg	gcaacagaga	gccatggcag	gctttccagg	aagggagtg	60
catgcacctt	agacagggtca	gcctgacagc	agcttaaaac	tagatggaat	gggagacaac	120
tttgtcccta	agctcagtc	cctaaagata	ccagcacatg	actgtcaggc	ccctgctggg	180
acagctgccc	ctccctaggc	ctgtccattc	tcttacctcc	ctcctgcctc	tgatggggaa	240
ggggtgatgg	gttggaaagt	gggtgtgtgca	acatttacca	tggccagggtc	tgctctgtgc	300
tctgtcccca	cccagcacac	ccatctccat	ccataccggc	cagccttgcc	tgttccctca	360
cagtgatgca	taagctgggc	ttctcctgcg	gtgtgatact	aatgtactag	ccaaacctg	420
agaggccaca	tatggtgggt	gagggatgtg	ggactgccag	actgccagcc	agtgcctga	480
agactctgca	tttcatatgc	rtacacattt	agtagtagtg	tgaccctggg	ccagttactg	540
attctttctg	agcttcgggt	tcctcatctg	taaaatgggg	atgatgatac	ttaccttaaa	600
gggctgccat	gaggtcgaaa	gacaaactat	gacaaacagc	cagtctcgtg	cccagcccag	660
cgtgggtgca	agctatctgg	tggctgctcg	gatgatgatg	atgacgatga	caacgatgac	720
gtagcacccc	atttccagct	cacaccatcg	ggatcacccg	cagcatcagc	agcatcatca	780
agccatcttc	ctgcgttgtg	gcagcttggg	ccccactgg	ccatgcagga	gccaggagat	840
caaatcatga	atggggctct	ttgcacttca	ggcaaagtgc	aactccagga	aagagagaag	900
attaaggcca	aatctctgca	cccaaacagg	atccaagaag	tggggtaatc	tgggactcat	960
cacatctaca	taaagggagg	aggaagcccc	aggggtggcct	g		1001

<210> 160

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 160

tcacacatca	aaatgtggac	atttaattca	ttttaatcga	gaaattaaat	gcatctgcct	60
tgcttcctct	cctggggctc	ttccatctca	ggaaattccc	acaccagcag	gtctggacaa	120
gtcctcggca	gtaacttcac	tcagcctgaa	ttcttcttcc	tttccccacg	gctctgactc	180
caagttctga	tcatacaagt	gaaagggaaa	cttacaacca	aaggagatgt	aaacaagaat	240
agtctctgtc	agttcagtg	agagagagag	agaagcttta	atggggcacta	gtcagtcaga	300
ggcttattct	gcaagtgttc	attaggaatc	agtggaaatt	ccactgtttc	cctgggtgtca	360
cttgggctgc	tgccctcttg	cctgtgtcaa	agacaacaaa	ggaaaatggg	ccttgcccct	420
cgaggtggga	ctggatgcca	accagcccga	caggcagtg	gtgggtcacg	gttctgttcc	480
cactggagga	tgctcttgct	kgcctaccct	ctcgcctgag	acctggaagg	aagtgcagtc	540
ccaaggggtg	cagttggagg	ggagctagca	gtcagaccag	gctgggtgtag	gctttgcaga	600
cagagactca	cctccttcca	ctgccagaag	atgctgccgt	cgggtgagga	gctgtgacct	660
gggcagagga	aattcaagga	gccaatttct	gctctgtaca	tagaaaagg	ggtcctctcc	720
tgtttggttc	gggggcatct	ctgaagccca	gctccactct	ttaccatctt	gctaagaacc	780
aggagtctgg	aacatctccc	aaagtctacg	tggggctcaa	tatcatgtgc	aatcactttg	840
caccccggtt	cgaatgtggg	agcaagagtt	gggtcaattt	ggaagggctt	ggttaagaca	900
gctggtaaac	ctcagctgag	ataatatctc	tattctcctc	tccaaagagg	ttggcagctt	960
caccgggcaa	acagtgcaca	gagaggcctg	cataagccac	a		1001

<210> 161

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 161

cacggataga	aggccaccac	tgagcaactg	taagtgtgca	agtccaatca	gaccacttcc	60
agaaggtgct	ttcccctaca	actaagacag	cattcacact	taacccttgt	agcaacttcc	120
tacactgaga	aacacaacag	aattttgctg	tatgattctc	atcttctcag	aaaaatgtgt	180
tgtctctttg	atctgcctaa	ttaggcta	tgaactagga	atcaaagcag	tttctgggga	240

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ggaaggtagg aagttctgtt tttagtttgg ctatgatttg tcccaatcat tttatgctac 300
aaaagctttt gttggcgttg gcctccgagt cagtgccttg aaagggtggcc gcaaatgtga 360
tttatgggaa ggtgctgccg ggggcatgca ctttatgggc aggtggtgcc ggaggaagt 420
gttaggagac agtttctca cccatctcct ggagagacct ccatctccct taccaccct 480
gcagtggtag cacgcacatc kgacgaaaga ggctgtcgct aaaacgcttt gaaaagcata 540
cacacgtgca cacacacaat gctcacgggt agtatttgca gtacagaatt ctagtactgt 600
gcacctcagc tacagacatc ccaatttttg aaagtgtcca taatttatag caagagatat 660
ttgggtaagt gcagaaatta tacacgagag tcattgaaac tgagtttata agagtcaaaa 720
attggaaaga acctgaataa caagaattgt aaactgctgg acttcagca agagggagct 780
ggttatatcc atgcagagcg gccttgaaaa agatgccgtg attggataac gtacactgta 840
cacggctgag aacaaaggaa tctgaaatga caatgaatgg agtattagca gcagtgcct 900
agtgaatttt gttctgttca tttttgtgca ctctctaaaa ttatttacaa attatgtcat 960
tttttatgat aaaaagttgt ctgaattttg gaaaaacaag g 1001

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<210> 162
 <211> 1001
 <212> DNA
 <213> Homo sapiens

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<400> 162
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gatagaaaag atccctctgt cctgtttccc tgtcctcctt cccacatcga tttaaaaaat 120
tagatgcaaa tgcaaaatcc ttaaattata gatattatgat aaattttaat tctggtagaa 180
tcaagggttt ataacattta aagtgtctga cactaagtgt atataatctt ttaagaaacg 240
tcttcttaac agcgcatggg attctgtgac tgttcgtgta ccatgaatat tcttattggg 300
ttctagagtt agttactgac tcttgaagat gggcatctaa tggctcctct gtggaagtgg 360
agagcagctc tccactgttt gataacattt aaagccaagg gtgaaccact caagaaacat 420
ttgggtggta taatattttt ttgttgttgt taagtaccat caataaaaact gaaaaatctc 480
ttaagtacct gactcctgca rtgatacaac tgcagtgata aaacttttag ctttttacat 540
caggggtatt aggtattttt tcacagaaat agccttttga ggtgaaattc acataacata 600
caattaacca ttgtaaaatg aacaattcag tggcgtgtaa gagtatgttt acaatgttga 660
gcaaccatca cctctgtcta gttgcaaaat gttttcatca ctccaaaaga aactccttta 720
ttcatcatag cccaaagtgt gaagtatttt cttgattggg ctcttgatta catggatgca 780
tctgagtcac tgaattgaag cctaagatgt gcttaatttc actgtgtgta agtttcacct 840
cagttaacaa gagagaacag aacaaaccaa aaatcttaat tcttttgaaa aaaagacttt 900
ctggctgctt tattaagaa gccaggggaa caagggttaa aggaaatcag ttagcagtga 960
ccaaggcaag agatgatggg ggcttggctg aagatgggtga c 1001

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<210> 163
 <211> 1001
 <212> DNA
 <213> Homo sapiens

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<400> 163
ggatggcatc tgaatcctgg atttcccaga cctcagaacc agaaggaata catttccatt 60
gtttaagcca cccaggcaat gatatttctg ttataaaagc ccaaactaag ataccacac 120
agagaacacc tacacacagt gtggttacag gttgcatcat ttctttttct ttttcaatat 180
ttgcatattc tctaaatttt ctacaatgac ccaccacatg aattctttta aaagaaaaaa 240
atggtaataa tgaaatagaa tagtagtggt gacccttaag aggaaaaaga tggtagaaga 300
cactatgttg cttacagtag actacaaatg tgcgtgaaat ttgtaataa aagatgaata 360
cttataaatg tcaccacctc cctctctgat gtttctgaaa ccagagcata tgtggttaac 420
cttgctctag ctccagtcca tccatccatc atcatgctaa aacatacagc tgtaggcagt 480
ggagaagagc tgtatgtggg saggaagcg ggagacagga attccagaaa tgtctactaa 540
agcagtgcct ttagttttaa ttatttcaag aaaccaatag atatcagagc ataagtga 600
aaaagaaaaa aattataaaa aatacaaagg agtcaggat aatagaaatc tttcttcatt 660
cacatattct agctagaata gtgagaagaa attctccctc aaacgtggac agtcccttac 720
atcttcagcc gacacggaag tcttatctga gaatagaatc tctgtctacac taacctagga 780
gacggccagg caactgctgc ggtataccca tcccccaggt gttctggaag aaaaagacag 840
cagggagaag ttctcttag aaccagctct tctacaccaa atgaactcag gagacaatga 900
atggaaacag catgccatgg tgtgagcaat gcaatgtgga gcacaagcag cggagagtct 960
gctgaagaag ctactccctt gaaataggaa agaagaaaac c 1001

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<210> 164
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 164
 gccagccaga ctggattaag 20

<210> 165
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 165
 agccgagaag acctgtgaag 20

<210> 166
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 166
 gccagccaga ctggattaag acccccgcgc aatgacctcg ttttaacccta gttacctctt 60
 tcaaggtcca aacatagtc tactgggggt cagggcttca catatgaatt tgctgagggg 120
 gcttgagggg tgcacaattc agtccataaa cgctgtatat atttatttga tgtagttttg 180
 ttttaaataa aaagtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtatcta aagtaggctt 240
 cacaggtctt ctcggct 257

<210> 167
 <211> 1001
 <212> DNA
 <213> Homo sapiens

<400> 167
 gccagaat gacatgttga tcctcaacta gcttgtggac agagtgtttc ttttctggtc 60
 attcctttca gccactgata taaacaaata taattatcca atcaaaattc tgaatgatga 120
 gaagtttcc atgcagtcct aagcactactg gttttacttt ccatagttca gcaaaaatat 180
 tactggatta ctggggccttt aaaatggccc aagctgtagc ccacagatct gcactagctc 240
 acagaatgcc acgggttgggt ttgtttctga ctatgatcac agagtaatac taacaaaatc 300
 ttgctatttg aaggaattat taatttttga attacaatta gaatacaatt agattattcc 360
 acattaccga gtgaattatt attataggtg ccaacattca cagtttaatc caatgaagaa 420
 actgagccta tataaaaata accaccacca aagcagaaga aaagctacgt gaagaactga 480
 actcaatctt aatggttcct kcagataact actcccaatt gacccaaata aaccaattta 540
 ctgggtcaag agagagcatg aaggaactaa ggactctgtt agaagtgagg aaatatggaa 600
 ttactcgtgc atgtagcatg tataacatac agaacaagca tttctgaaaa tgtgagcagt 660
 atcaataggt tggataactt tagcccaaaa aactctacta ctactgcttt ttggaaataa 720
 ttaaaaatat ctcaatacag tttataaact ttgataaagt caatataaaa gtaataacat 780
 catataaacc ggtcttttgc tcatttgaac tcctgacatg gggattataa gccataacag 840
 atttcttttt tcaaatatct gaaatacaag gaataatttt ctttaaataa gttgcaatat 900
 accaaccagt attgggctgg tttctgtgat ttcctcttaa ttggtggtag cagcagtaat 960
 cctctaattc ttaggatgga caactgactt ttgaatatct c 1001

<210> 168
 <211> 1001
 <212> DNA
 <213> Homo sapiens

<400> 168
 gatcctcaac tagcttgtgg acagagtgtt tcttttctgg tcatttccttt cagccactga 60
 tataaacaaa tataattatc caatcaaaat tctgaatgat gagaagtttc ctatgcagtc 120
 ctaagcatatc tgggttttact ttccatagtt cagcaaaaat attactggat tactggggct 180
 ttaaaatggc ccaagctgta gccacagat ctgcactagc tcacagaatg ccacggtttg 240

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gtttgtttct gactatgac acagagtaat actaacaaaa tcttgctatt tgaaggaatt 300
attaattttt gaattacaat tagaatacaa ttagattatt ccacattacc cagtgaatta 360
ttattatagg tgccaacatt cacagttaa tccaatgaag aaactgagcc tatataaaaa 420
taaccaccac caaagcagaa gaaaagctac gtgaagaact gaactcaatc ttaatggttc 480
cttcagataa ctactcccaa ytgacccaaa taaaccaatt tactgggtca agagagagca 540
tgaaggaact aaggactctg ttagaagtga ggaaatatgg aattactcgt gcatgtagca 600
tgtataacat acagaacaag catttctgaa aatgtgagca gtatcaatag gttggataac 660
tttagcccca aaaactctac tactactgct ttttggaat aattaaaaat atctcaatac 720
agtttataaa ctttgataaa gtcaatataa aagtaataac atcatataaa ccggtctttt 780
gctcatttga actcctgaca tggggattat aagccataac agatttcttt tttcaaatat 840
ctgaaataca aggaataatt ttctttaaat gagttgcaat ataccaacca gtattgggct 900
ggtttctgtg atttcctctt aattgggtgg agcagcagta atcctctaata tcttaggatg 960
gacaactgac ttttgaatat ctgagtaatg agatctccat t 1001

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<210> 169
<211> 23
<212> DNA
<213> Homo sapiens

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```

<400> 169
ggaagctgat gaggtgtata tgg 23

```

```

<210> 170
<211> 20
<212> DNA
<213> Homo sapiens

```

```

<400> 170
gagtctgagg tgggagcatc 20

```

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<210> 171
<211> 242
<212> DNA
<213> Homo sapiens

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```

<400> 171
ggaagctgat gaggtgtata tggatactct gtgctatctt taagcttttc tgtaaacata 60
aaaaaccta aattatttta aaataaaaagg tatgtatgta tgtatgtatg tatgtatgta 120
tgtatgtatg attttttagag atgcagctct tctctgttgc ccaggctggg gtgcagtggt 180
gtgatcatag ctactgcag cctcgaattc ctggacccaa gggatgctcc cacctcagac 240
tc 242

```

```

<210> 172
<211> 1001
<212> DNA
<213> Homo sapiens

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```

<400> 172
catactgcat acaagccaag aacataaaat gaacctctca gtcttaccct tcctgcaact 60
gaggaccgac ttgccggcac tcagtaggac acgtgattaa aagtgtggct tgtgaggcca 120
aactgcatgg ttctgaaacc tggttctacc atttacaagc tgtatgacat taggcaaatt 180
acttaccttc tttaagccac agtttctctc ttgagacagg tggacattaa cagtactagc 240
tcatgaattt agttggcgt ttcaatgagt taatacacat cagctgttac taacatccac 300
catatattcc cagaggggta cccaattctt tgggggtctc atgaccttg tccttcaccc 360
tctagaaagc atgtcatcag agaataacaa acattatctt caacttactt gatccactgc 420
tgcatataat ttaagtaagt cattctcaaa acttacttta ctaataacat agtctataca 480
acccccagt aatgaccaca rtgcagctctg ttacgacagc tatggcaaat actgacctag 540
atcgcgagag aaaagaacag ctgctgtcct cacagctgcc ccgcctcact ttctgctaac 600
agacgtgct tctgtatggc catcagcttg catagtgtt cagggcaggc tggacccatc 660
cccatctcct acatcagcag catcagcttc aatcaggaac ttgtgaaaaa cacaaattgt 720
cagtccccaa tccaaactag agcagaaaact cttcaggtgg ggcctggcaa tctgtgtttt 780
gataagtcct ccaagtcatt ctgatgcaga ccagtctgaa aactactgac caagaaccac 840

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tgaactaata	atggcaactg	cgtatctcta	agtttagaaa	tgggggtatac	aacaattcta	900
gccaaaggagg	ggcaacttct	agaaattttg	cttactctta	aaaatgaaca	caaagaaggt	960
accttatctc	ttctggcctt	tagaatgttg	ttgattagag	a		1001

<210> 173
 <211> 1001
 <212> DNA
 <213> Homo sapiens

<400> 173						
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ttctctgata	ctttacaata	tcacactctg	taattgtgtg	gcatagcagc	catgctagga	120
acgaggtcaa	ttacttaggt	actcgctaga	ctttttcctt	ttctccaccc	ctgggggtcca	180
ggctcttttc	ccagcactta	ctcagggctg	tcattagccc	tttctcctca	gtttcatcgc	240
ccctgcattt	acgttattct	aagtcttctc	ccctatgggt	tcctgtgggg	aaaataaaaag	300
atccgaaagg	gaaaaaagca	gaaaagaatg	aaataaagt	aaaattcaag	aggttcttgt	360
tttaagtccc	tatcttaaaa	gatatatggc	tttgtcactt	tcaaaagcat	tacattataa	420
ggtatgtggc	caaaacacaa	tcaataaaca	aacacacgca	gacagataca	actaaatata	480
cacaaacata	catgccacaa	yagagagggg	ctttgattct	taggatcccc	cttttctttt	540
ccatccatta	attcctaact	acactgttct	tctctaacca	tgtaactatt	tctcaatatc	600
catttgtcac	atgtaaaata	ttctcaagac	cactcctagc	cttggtatacc	tgagacctgt	660
ctcccatacc	aacaccatca	cttaatttaag	aaacaatggc	actaaagctt	tgcttacaaa	720
tctgtgaaac	aaagggtcatc	ccacctgcct	accttcccac	ttcaccttac	taataggagg	780
tttaaaggag	atatgtgctt	aagtacacca	aagaaccaga	ggtaccaaca	gggttaagat	840
acgccttgaa	tccaagaaaa	tcccctgaag	cagcatgtca	atactgagta	acacaaccat	900
tccttaggct	atcacctttt	tttttttttt	tttttttttt	tttgagacag	agtgtcgctt	960
tgtcacccag	gctggagtgc	aatggcacga	tcttggctca	c		1001

<210> 174
 <211> 21
 <212> DNA
 <213> Homo sapiens

<400> 174		
agccacacag	gtcacagatt	t 21

<210> 175
 <211> 23
 <212> DNA
 <213> Homo sapiens

<400> 175		
ttctgacatt	cttaatgggc	ttt 23

<210> 176
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 176					
agccacacag	gtcacagatt	ttggcttttt	aagaagaaac	aagagccctc	atgcagaccc 60
ctggtacagt	ctcaactggt	ggagatacta	tgtaaaggag	cttttaaatt	attaaatagc 120
ctctaaataa	atacatattt	tatatatata	tatacacaca	tacacacaca	cacacacaca 180
cacacacaca	cacttatatt	acattttatta	gtaacctaat	ttttaaaagc	ccattaagaa 240
tgtcagaa					248

<210> 177
 <211> 1001
 <212> DNA
 <213> Homo sapiens

<400> 177

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cctgtgatgg gatggcaccg tgtccaggac tgggtgccgc cgtgtgccct gagctcctag 60
gataggctct gaccacctgt gaccagggtg aataagtggt taagaattat ctcacgttgc 120
attaatcttt cttaaataata ggtatggctc acatttatct caacgtttta tgctagaagt 180
gttttggtct ttacttaaaa gtttggtggt gtttttgtga acagaaatat gccacagaaa 240
cttaatcttg tttgtatcaa ttagcctatg ggaaaactgg tttccatata cgtagtctca 300
cttcaaattg cagtttctaa gaactcactg atgacagtga agatttactg tatgggggtt 360
tagagtaaat ttctaaatgt acgtacaatt tttcacattt tttaaatatc tatttggtga 420
tctatatatt caacagatga gaatcagtag tcacttttag ggatagtctc ctgggagatg 480
gcacccaata aagtctccaa ygatgggaca tgattttgaa agagtacatt agctgtgctc 540
acaaaccaag atccaatctt tcctcaacca gatgaacttt tccttaagac ctgaaacact 600
gatgagtctt gggcacatgg ctacaatact tttcattgag tccctgaagg ccatttttac 660
ctcaatgaaa tatcatctaa agaaaaatta tttaaaactc cagttgtata atttcaagat 720
agtttagtgt atttagtatg actcactctt cattaaactt cacaactatt tttaaaagct 780
aatttaataa gttacctgtt tgagctgatt gatggaaaca gggcttgggc tatttctgta 840
ccaccctcag actaagaatg ctttttatat ttttcgaggg gactgtgcat cagaggcctt 900
ctgtggctac acatcttaaa atacttcttt acagaaaaag cttgccaagt cccgaatcaa 960
aacagaaatc aaagttttta agggaaatcg tctctgttac t 1001

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<210> 178
 <211> 1001
 <212> DNA
 <213> Homo sapiens

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<400> 178
ggtaagaatt atctcacgtt gcattaatct ttcttaataa taggtatggc tcacatttat 60
ttcaacgttt aatgctagaa gtgttttgggt ctttacttaa aagtttggtg gtgtttttgt 120
gaacagaaat atgccacaga aacttaatct tgtttgatc aattagccta tgggaaaact 180
ggtttccata tacgtagttt cacttcaaat tgcagtttct agaactcac tgatgacagt 240
gaagatttac tgtatgggggt ttttagagtaa atttctaaat gtacgtacaa tttttcacat 300
tttttaataa tctatttgggt gatctatata ttcaacagat gagaatcagt agtcactttt 360
agggatagtt tctggggaga tggcacccaa taaagtctcc aatgatggga catgattttg 420
aaagagtaca ttagctgtgc tcacaaacca agatccaatc tttcctcaac cagatgaact 480
tttccttaag acctgaaaca ytgatgagtc ttgggcacat ggctacaata cttttcattg 540
agtccctgaa ggccattttt acctcaatga aatatcatct aaagaaaaat tatttaaaac 600
tccagttgta taatttcaag atagtttagt gtatttagta tgactcactc ttcattaaac 660
ttcacaacta tttttaaaag ctaatttaaa tagttacctg tttgagctga tcatggaaa 720
caggccttgg gctatttctg taccaccctc agactaagaa tgctttttat atttttcgag 780
gggactgtgc atcagaggcc ttctgtggct acacatctta aaatacttct ttacagaaaa 840
agcttgccaa gtcccgaatc aaaacagaaa tcaaagtttt aaagggaaat cgtctcttgt 900
actctgcaat caatagcatt tttttttata catacacaca catagacaca ttcatgcccc 960
cccatcccca tcccacttta atctggaagg tacctgatct a 1001

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<210> 179
 <211> 20
 <212> DNA
 <213> Homo sapiens

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<400> 179
tgcagacagc acgttgtaaa 20

```

<210> 180
 <211> 19
 <212> DNA
 <213> Homo sapiens

```

<400> 180
aggctgggtgc tcctgaaat 19

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<210> 181
 <211> 116
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> 48
<223> n = A,T,C or G

<400> 181
aatctttcca tcccacagaa tctttccaac attacagaat ctatccantt gcataagcct 60
gactaggcaa ttgaccttat gaataagtct atagtatcaa atgatgttga agacag      116

<210> 182
<211> 19
<212> DNA
<213> Homo sapiens

<400> 182
cagcccagca acattcact                                     19

<210> 183
<211> 20
<212> DNA
<213> Homo sapiens

<400> 183
gtggtagagg gttgccttca                                     20

<210> 184
<211> 174
<212> DNA
<213> Homo sapiens

<400> 184
cagcccagca acattcactg cagattttgt agagagctgc atatccaaat tccaccagtc 60
tcaaatacaga aaacaacgct aaaacagagc tgtagaccgc tcaactggat ggtgccatta 120
taaaatgcaa aatgcctttt cctttttact ctctgaagg caaccctcta ccac          174

<210> 185
<211> 20
<212> DNA
<213> Homo sapiens

<400> 185
gcaaacaaca tggctagcag                                     20

<210> 186
<211> 20
<212> DNA
<213> Homo sapiens

<400> 186
tgtttcttgg caaagtggaa                                     20

<210> 187
<211> 403
<212> DNA
<213> Homo sapiens

<400> 187
gcaaacaaca tggctagcag gtattaaaac agcagaccat gttcctgcag tatttcaagc 60
aaaaccatct aactgggaaa aaaaattttt ttaataaaat ccttcctcag taaataactgc 120
ttttgaagta tagctatgtt agaagaaata acttactaaa attagcatgt cttttaataa 180
gttaacttta ggaaatattt agagatatat tctaattctg aaaaaagatg taaaaaaaaa 240
actagacagt aaagtcacag gcactttata tcaatgcaga ggaaagttaa gatcagaaaa 300

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aaaaaaaaata ctaccctaca tacaactaca aaagctaaat tgacatttta aatgtacttt 360
 tcagtttgcc ctaaaatctg gacttccact ttgccaagaa aca 403

<210> 188
 <211> 1001
 <212> DNA
 <213> Homo sapiens

<400> 188
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 gaaatgaaca ttttacagtt aaaaaaaaaga atgaggggga aaaaaatccc tgaattttct 120
 cattgacttc cctagatttt tgaactcatt tttgtgattc tgtctacttc tccattcact 180
 aaagtcttct aataatgcca ataactgtct ttagaatggt aagagtacaa attaggtaat 240
 atttatatgg ctggagggtc tatggcagaa aggtgcgttt gacaacttca atagttactt 300
 tgatactatt gaatactatg gcacctatga gttttgggag tggcagggtg gatgggggata 360
 ctacatttta ggacacagct tttcatgagt atatatgcca gtgtgaaatc tctgaagact 420
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 gttgctgggc agagtaaagg tggtaatcct ttcaaggatc tcaatatgat acctgatagg 900
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<210> 189
 <211> 24
 <212> DNA
 <213> Homo sapiens

<400> 189
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<210> 190
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 <212> DNA
 <213> Homo sapiens

<400> 190
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<210> 191
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 <212> DNA
 <213> Homo sapiens

<400> 191
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 <212> DNA
 <213> Homo sapiens

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 gtggttctctg atgtgacgta ggcaaccatt ggacattggg cttttttaca tcctcagatt 180

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gcaagtctgg	gttaactagt	gaactagtct	agtcgagtta	gcttaagact	ctttcttata	300
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gaacaaccca	taatgcaaac	gcataaaaaa	gatttgcaaa	ttgatgtcct	cagtctctct	420
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catgtatcat	tagcatataa	aatctccgcc	taggggtgtg	tttttttact	attaaaatga	960
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<210> 193

<211> 20

<212> DNA

<213> Homo sapiens

<400> 193

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20

<210> 194

<211> 19

<212> DNA

<213> Homo sapiens

<400> 194

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19

<210> 195

<211> 304

<212> DNA

<213> Homo sapiens

<400> 195

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ataatttagt	catgttctct	gactcaaata	ctgaagactg	ataggaaaag	cctcaccctg	180
gttcacgctc	atatgagtgt	aatggaaact	tcttgacttc	cagcagtgtc	tggtgttact	240
cacgttatat	gagtagctca	attccatgag	ttgcttggaa	ttccatttcc	aatggccttg	300
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<210> 196

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 196

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tttcatcccg	tcaacacttt	tgagtgtgtg	ttatgtggca	gatgcctttg	ttagatacta	480
gaagcaaaaga	aatcagcttc	mgtaagacta	aaattgtatc	tggtgataaa	cacaatgtta	540
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cctaattctta	atataattta	aaggattgaa	gccatgcaga	gtatgatctc	tgatcacaaa	960
ggaattagat	taataatcag	taataactaag	atatctagga	a		1001

<210> 197
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accaaacctg	atgtgaccag	attctgtttt	tatcctcctg	ccagcttctt	ggaagcctgt	360
aaaatactct	ttgttttggt	gttggtgaga	gttctaagtc	cgattgagct	ttttgacaaa	420
tctattgatt	tttcaacact	ttgtttctct	acaaaaagtc	ttgtattcta	tcttctttca	480
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tttttttttt	tttcagttac	cattgagaaa	ttaacagtg	ttctttacat	tgctgtttat	960
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 <213> Homo sapiens

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<210> 199
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<400> 199		
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<210> 200
 <211> 153
 <212> DNA
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tgtttttaatt	gggcaaccct	cagaactgaa	gag			153

<210> 201
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 201

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20

<210> 202

<211> 20

<212> DNA

<213> Homo sapiens

<400> 202

cccttccagt tgcaggagta

20

<210> 203

<211> 382

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 155

<223> n = A,T,C or G

<400> 203

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caagagtaaa	aaaaacaggt	gaaatgaatt	gtaantgttt	tatttaactt	accttactaa	180
aaatattttc	catttaacat	acaatatgaa	attcattaac	ggatagtcac	atttttaaac	240
gccatatctt	caaaatctgg	tgtttgacag	cacatttcag	ttcaaactag	ctacgttgca	300
aggattttaat	agccctatgt	ggctagtgc	tattgtatgg	aacattatcg	ttctagaccc	360
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<210> 204

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 204

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ttgcacagtg	cttttcatag	attgactgct	tttattaaac	gctctcaaca	gtctattagg	180
atggcatggg	gattgcccc	tttctgagga	cgcggaact	tgagatttgg	cgaggcaaga	240
agccaggcgc	acacagctag	gcgggcccgc	ggccgcgacc	ccctggctgg	tccgtgctct	300
ccccctgggg	aggggtgcag	gctgccagga	aagggtcccc	ctgcgtggcc	ctgggggtgt	360
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cctcaccttg	ggcgggtcag	yggattctga	acaatgggga	aaaggtccca	gcttcagggt	540
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gatgtaatga	gtcagagggt	ttaaagccca	gactgccttg	aaaatgcgtc	tggtaaacct	720
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<210> 205

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 205

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gagatttggc	gaggcaagaa	gccaggcgca	cacagctagg	cgggcccggg	gccgcgaccc	180

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cctggctggt cctgtctctc cccctgggga ggggtgcagg ctgccaggaa aggtgcccc 240
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ttaagtggga agagtcgggg tggtggaagt agagggtatg ggacacgggtg gacctacctc 360
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aaggtcccag cttcagggtt gctgtgaggg ttttaagaaga gttcaggaaa gcagatgctt 480
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tggaggcgga gagaggacaa gggctggggg ggttgaggtt tgctgggtct ctgggggcaa 960
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<210> 206

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 206

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<210> 207

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 207

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<210> 208

<211> 20

<212> DNA

<213> Homo sapiens

<400> 208

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<210> 209

<211> 20

<212> DNA

<213> Homo sapiens

<400> 209

ccaatggttt cggttactgt

20

<210> 210

<211> 213

<212> DNA

<213> Homo sapiens

<400> 210

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tcagggaag	cccatcccat	attctgaaaa	aatgccaaat	taggtttttc	tttctttttg	180
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<210> 211

<211> 19

<212> DNA

<213> Homo sapiens

<400> 211

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19

<210> 212

<211> 17

<212> DNA

<213> Homo sapiens

<400> 212

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<210> 213

<211> 273

<212> DNA

<213> Homo sapiens

<400> 213

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cacacacaca	cacacacaca	cacacacaca	cacgattcca	gcagccactc	agaaagaaaa	240
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<210> 214

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 214

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ctccctccac cccttgtccc tgagcacagc atggtgacct gccaaagccag aggggtgacct 180
ggacactcat aactcaatgc agggccaact gtagcctctg gccgggtgtcc ctgagtgagg 240
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<211> 20

<212> DNA

<213> Homo sapiens

<400> 215

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20

<210> 216

<211> 20

<212> DNA

<213> Homo sapiens

<400> 216

ggccataatc aaggcagaat

20

<210> 217

<211> 288

<212> DNA

<213> Homo sapiens

<400> 217

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acagagactc catctcaaat aaataaataa ataaataaat aaataaataa ataaataaat 180
acataaataa agtgcctctt tgtaaggcca gttgtcttcta tttctacttt ttttaaccaa 240
gctaattgct aatgtgttaa agtacgagat tctgccttga ttatggcc 288

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<210> 218

<211> 1001

<212> DNA

<213> Homo sapiens

<400> 218

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cattaaacct cagcatcaga tgctgacagc cctcacagg ttgctgcaga caaaacaggg 180
aacgacagga aaaagatgac cgtgatacgc tctgctaaaa gcaggctcga aaacaggatg 240
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ggttctgtca cctctttctg setgacccct gccttttcta atgttgctca gaggcacaca 540
gacgtatttt ctttaagtaa ttgcttgtct gtttttaata tcacattttg aaaaggattt 600
tagacaacat gagtttatta ctttctgttt aacccaaatc cttcagaggt acttaagaca 660

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aaatgtaaag tcctcttata cctttgtgaa tttcagtcct cagaagtctc actgttagta 720
gtttgatttt taccaaaaat gtccagggtat tttcttttca tctgcaaata tgtaaataga 780
ctcctttttt taaatttcac acaagcagga ttatatcata caaaacattc tgcaatttac 840
tcttttcatg taacaataat gtatcctggg tatttttctt tgccagttca gatctctttt 900
atcctttttac taattttatt acctatctat tcatttgctt aacttgattt tattattata 960
caagttatcc atgaatatgt ttttcaaaaa ttttaacagt c 1001

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<210> 219
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<212> DNA
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cacgtacata tgcacacaca cacacaactc caaagcaaga cccctctgct tctccgagcc 180
acagcagtga atgcaagaca gggatggaag caggggagtg agttctaccc ttcgtggcct 240
ccgggggtgtc cttgagcctc tcaagcctca gtttactggg gtctatgtga ggatagacta 300
gtttcacagc tcaaaggcag gcggtccttc agtgctgaga aatcttcac tcagagccag 360
gccctgcctg cccagggcag tccagacata ccacagaggc aggggatcca ggttttgtga 420
aactgaagct gataggatct gaggtcgtct ttacaaagga caccaaattg tcagaagcca 480
tcagggacgg ggcctcagag magccaggca agtgaggggt ctaaagcacc agcttgggaa 540
gcgtcactgc gtggagagcg ggctcctggg ctcatcgccc gaggcacccg acacaagtgc 600
agcctacaaa atggagagaa aagcccttga tgaatgaact ccctaaggcc aggctcgggt 660
tccttagaga ctgggggcac agctgcaccc gggcagggtc ggggagacag tttgcagcct 720
ctgggctgag gctgggggtg ggggtgtggg gggctgtggc aacagcatgg cgtacgcctc 780
tgggtgtcct tttgcaagta ggtgatgaga gaggcacatt ggctgaggga aactggagga 840
tggaaggggg ttgaggcagg ggaactgaca ggagaggaaa gagccttaag tcaaacagga 900
ccgcggaaaa ccaagcgtcc acaacgagaa cgaggggtcc gtgcctgacc cctggcgggg 960
aggcgtggtg ctgctcgagg taggcgcgga ctcggggaac c 1001

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<210> 220
<211> 20
<212> DNA
<213> Homo sapiens

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<400> 220
gcagcctcta accacatgct 20

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<210> 221
<211> 20
<212> DNA
<213> Homo sapiens

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<400> 221
ctttgcatgg cttcctatgg 20

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<210> 222
<211> 380
<212> DNA
<213> Homo sapiens

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<400> 222
gcagcctcta accacatgct gaccatgccat atggctctct aagcacacat gtacacacac 60
acactctcac acacataaaa acacagactc acacacacac ggacaaacac aaacacatac 120
acagactcac acagacacgc aaactcacac acagacagac acacacacag acacacagac 180
tcacacacac aaactcacac agacacacaa atacacagac tcagactcaa acacaaactc 240
acacaaacac atttacacaa actcacaaac tcacacacac aaacacacac acaaacacgc 300
aaacttacac acacatgagc agacacacac ccggcccttc tgggctcttc ttttcttact 360
ccataggaag ccatgcaaag 380

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<210> 223

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<211> 20
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 <213> Homo sapiens

<400> 223
 gaatgggcac atccataggt 20

<210> 224
 <211> 19
 <212> DNA
 <213> Homo sapiens

<400> 224
 cgcccttcct tatccctct 19

<210> 225
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 225
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 aagggtgcag aaaaacacat acatgcagca tgatgtacac acacacacac acacacacaa 120
 ttttatgttc atcacacaca tgcataattg tgtaaacatg cagcaaaggg atcccagtga 180
 taccaaccaa agagagcccc gtgacctccg aggagggagc ggctggggct gtcagcgcag 240
 agggataagg aagggcg 257

<210> 226
 <211> 25
 <212> DNA
 <213> Homo sapiens

<400> 226
 gagactgaca atctcctcgt cttat . 25

<210> 227
 <211> 25
 <212> DNA
 <213> Homo sapiens

<400> 227
 ctattgccta gcttagcaca tttga 25

<210> 228
 <211> 125
 <212> DNA
 <213> Homo sapiens

<400> 228
 gagactgaca atctcctcgt cttatccacg ttctcactcc aaattcatta agttaataac 60
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 aatag 125

<210> 229
 <211> 21
 <212> DNA
 <213> Homo sapiens

<400> 229
 cctaagcatt tcttggett c 21

<210> 230

<211> 22
 <212> DNA
 <213> Homo sapiens

<400> 230
 cagtgagagc accctacttt ga 22

<210> 231
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 231
 cctaagcatt tcttggttc cccaggtgc cctgtttttg aattaacctg agattatggc 60
 agaccacaag ggctgcatca caccaagttc tccccaagat ttgccatatt tcctctacca 120
 ccaggtgggg ttcaaagtag ggtgctctca ctg 153

<210> 232
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 232
 tccacagcag ggttcaataa 20

<210> 233
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 233
 cccactcatc catctatcca 20

<210> 234
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 234
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 tggataggat gattgataga tgatggatgg atggatggat ggatggataa atggataaat 180
 ggatggatgg atggatggat atctggatgg atggataaat ggatggatgg atggatggat 240
 gaatagatta ttagatggat agatggatga gtggg 275

<210> 235
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 235
 ggctcgctcc agctttatct 20

<210> 236
 <211> 19
 <212> DNA
 <213> Homo sapiens

<400> 236
 gggatgatgca tagcagacg 19

<210> 237

<211> 268
 <212> DNA
 <213> Homo sapiens

<400> 237
 ggctcgctcc agctttatct gcctcttagg tgtgaccaa ttgtcgtgtg tgcgtgtgtg 60
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 cccaaagaaa tgtcacagag aaatagtgtac ttgaagtcca aagaggaaaa aaaggaggagc 180
 cgcaggcaca tgatggatct gtgcaatagt catacgtaag ccgccgtgat gtccacacca 240
 cggagacccc gtctgctatg catcaccc 268

<210> 238
 <211> 1001
 <212> DNA
 <213> Homo sapiens

<400> 238
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 gatccccgcg cagacgccgg aatccggggc ccggtccccg cgcgggggtgc ggcgctcgcg 120
 gggggggggg gggggatggg gtccggccct ctccgggaacg gctgctgttg tttctttaga 180
 tactgaatat aattttctccc tcctccaccc cactcgtgtg tcttaacaat tttattttatt 240
 ggtttactat tgtcttgtga acgtttcttg tctcctcctt gcctttttttc atcccccttc 300
 tctcttcatt tctctctttt tccttaattc tgttgcaaag tttccttttc ttgcttaatc 360
 aaaattctcc ccgcttactt tgttctttgc ccacagcatt cgttcttctt ttctccttgc 420
 ctgcctgtct tctttcccgc tgttcttggc cgtgggcaga ccgggtgat gtaaggactg 480
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 tgtgaattat tttattttct ggatattaaa ctgcacagta gctattttat ttgcctttaa 720
 taaatttctt aggtttttac ctctaactaa tggcacattt taaataattt tccaagcact 780
 aggtgggtgc tgacaagatt gattcactca aaaacgatgc agaatttctt aaatgtagaa 840
 tcttttaaaa cgggtgtcga tggcttctcc tgctacatcg tttatttgta gcttccacta 900
 actctaaaga ttgaacagga aactgatatg gtagaaatag ataactttgc cttgttctact 960
 agctaagatt ttatttgctt tctgttagat cacagtagtg c 1001

<210> 239
 <211> 24
 <212> DNA
 <213> Homo sapiens

<400> 239
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<210> 240
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 240
 gatccttact ccagcccaca 20

<210> 241
 <211> 359
 <212> DNA
 <213> Homo sapiens

<400> 241
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 aaggctcttg tccattgcc aggcgtggagt gcagtggcgt gatcatggct cactgcagtc 120
 tttacctcca gggttcaagg aatcctcaca cctcagcctc ctgagtagct ggaattacta 180
 ccatgcccag ctaacgtcta ttttttttgg aggtagggtt ttgccatgtt gccaggctg 240
 gtcttgaact catgagctca agtgatactc ctgcctcagc ctcccaatgt gctgggatta 300

caggcataag ccatcgtgcc tggcctcagt gagtggtttt gtgggctgga gtaaggatc 359

<210> 242
<211> 19
<212> DNA
<213> Homo sapiens

<400> 242
agatcacgct ccagggatt 19

<210> 243
<211> 25
<212> DNA
<213> Homo sapiens

<400> 243
tcccacacta cactgatgta aagaa 25

<210> 244
<211> 390
<212> DNA
<213> Homo sapiens

<400> 244
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gggtggacat ggtggctcac gcccataatc ccagaacttt ggaaggctga ggtgggagga 120
tcgcttgagc ttaggagttc aagaccagtc tgtacaacac agtgagagct tgtctctccc 180
aaaaaaaaaa aaaaaaaaaa aaaaattagc aaggcatggc agcatgcacc tgtagtccca 240
gatacttggg aggctgaggt gggaggattg cttgagccta ggaggttgag gctgcagtga 300
gccgagatcg cagcactgta ctccagcctg ggggacagag tgagaccctg tctcacaaaa 360
agtttttctt tacatcagtg tagtgtggga 390

<210> 245
<211> 1001
<212> DNA
<213> Homo sapiens

<400> 245
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atgcatgtag tctcagcact ttgggaggct gaggctggag tatcgcttga gccagggggt 180
tcaaggctgg actgagttat gactgcacca ctgtactcca gcctgggtga cagagtgacc 240
ctgtctctaa taaaaagaat aaaataaata cagtcttaca aaggatacaa tagaaccaaa 300
tgctcaaaac attagtgaca atctggattt tctttatata ttttggcact aattttccta 360
aggtaaataat ttattatata tttatgcaaa aggaaaagta atcttactaa ctttgaaagg 420
gaaaaagaga gagcaagggt tgctgtggacc tcagtgtgag gtgagaggcc tagggctgga 480
ggctctgaat gtgatacctg sactgaaatc cagggtgtccc gcctcccagc ccaggacgtg 540
ggtgatcact gcaacttttt cctcttctcg tgctcagggg aactctcagt gtctgggatt 600
agggagcagg ggctgaagtc agagtgagga agagcaagag cagcccagag tggctcttctc 660
tttccaagga aagggcattg tttctgtgcg ctctagattc tcagatgtga gagctgggca 720
taaacaagaa attaatacctc tgtgtctttt cttgtctgtt ccccccaact cagtagatat 780
gtttgacgac ttctcagaag gcagagagtg tgtcaactgt ggggctatgt ccaccccgct 840
ctggaggcga gatgggacgg gtcactatct gtgcaacgcc tgcgccctct accacaagat 900
gaacggcatc aaccggccgc tcatcaagcc tcagcgccgg ctggtaagca cgtgcctcgc 960
agcctcctct gggcacctgg ctgcggagct ctgccttgg t 1001

<210> 246
<211> 20
<212> DNA
<213> Homo sapiens

<400> 246

ttctggcctt aggaaagtgc 20

<210> 247
 <211> 21
 <212> DNA
 <213> Homo sapiens

<400> 247
 ccagaccaca gaagctactc c 21

<210> 248
 <211> 424
 <212> DNA
 <213> Homo sapiens

<400> 248
 ttctggcctt aggaaagtgc tagctgagct gaaatctcat gaatgttagg tcgtttgtgt 60
 acttcttatac aatgtaatga agcttttgca cagaaagtct gtttgttttt gtgacatgtg 120
 ttgccagtat tgtttcaagt ctgtcctctg tcctttgatt gtgcttatga tgtctcttgg 180
 catttgggat tttaaatttt tatatcatca acggtgggta tttttcttgg ttgcttgtag 240
 gtttccctt ttgctaaaaa aaggccctt ctgccccag agaaagtcac atgccttcta 300
 ttttctgaag ttttataact tgtaaaaatg tttagaagtg tagtctttat ttgtgtggcc 360
 tgacgtaggt accataggat gctatgggct gtaaaaaataa ctcggagtag cttctgtggt 420
 ctgg 424

<210> 249
 <211> 24
 <212> DNA
 <213> Homo sapiens

<400> 249
 gcatgtgaaa ttggacttgt actc 24

<210> 250
 <211> 21
 <212> DNA
 <213> Homo sapiens

<400> 250
 cactgcaagc ctagagaagg a 21

<210> 251
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 251
 gcatgtgaaa ttggacttgt actccagaga tatccatgtt tgtattcatg taaaaataat 60
 gtccttctta attatctggg ggtgggtggtg tgtgccttta gtgccagcta cttggaaggc 120
 tgaggcagga gaatcacttg gaccaaggag gcagaggttg cagtgaactg agatcgcgcc 180
 attgcactcc agcctgggtg acagagagag actctgtccc aaaaaataaa ataaaaataaa 240
 aataaataca taaaataaaa taaaataaaa gtccttctct aggcttgcag tg 292

<210> 252
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 252
 gaagatttgg ctctgttggg 20

<210> 253

<211> 25
 <212> DNA
 <213> Homo sapiens

<400> 253
 tgtcttactg ctatagcttt cataa 25

<210> 254
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 254
 gaagatttgg ctctgttggg gacagactca tagatagata gatagataga tagatagata 60
 gatagataga tagatagata gatgatagat agatcttatt taaaagttaa ttaacttatt 120
 atgaagctat agcagtaaga ca 142

<210> 255
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 255
 tgggagattt cagcctttca 20

<210> 256
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 256
 tcaaagacca gtgccagaga 20

<210> 257
 <211> 352
 <212> DNA
 <213> Homo sapiens

<400> 257
 tgggagattt cagcctttca aaaaaatata atgtcttgta ctatggattt tcctggagtg 60
 aaagagaaga aaatctcttt tggctcatct ctttttactc ctacacacac acacacacac 120
 acacacacac acacacacac actctatatg atagattata acagatgtat ctttcaaaag 180
 tagaactgaa atttagacct aaaagataat atactttaat tgttagagag gatatttttc 240
 ctggtgaagg gaacaatatt cctatgtggt taatacacia atatatctgt gccagtactt 300
 gttacccctt gagacttcac acactactta tatctctggc actggtcttt ga 352

<210> 258
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 258
 tgggagattt cagcctttca 20

<210> 259
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 259
 tcaaagacca gtgccagaga 20

50/55

<210> 260
 <211> 352
 <212> DNA
 <213> Homo sapiens

<400> 260
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 aaagagaaga aaatctcttt tggctcatct ctttttactc ctacacacac acacacacac 120
 acacacacac acacacacac actctatatg atagattata acagatgtat ctttcaaaaag 180
 tagaactgaa atttagacct aaaagataat atactttaat tgttagagag gatatttttc 240
 ctggtgaagg gaacaatatt cctatgtgtt taatacacia atatatctgt gccagtactt 300
 gttacccctt gagacttcac acactactta tatctctggc actggtcttt ga 352

<210> 261
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 261
 tccatcccaa ctcaagatcc 20

<210> 262
 <211> 21
 <212> DNA
 <213> Homo sapiens

<400> 262
 agcctggtct ctaccataag c 21

<210> 263
 <211> 405
 <212> DNA
 <213> Homo sapiens

<400> 263
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 caatttttta aagcgctgag accatgcctg ttacatagta ggcacttaac acacgctgat 120
 tatttacatc taaatcttca caaccaccct aagaagtaca tgttattatt cccatcttac 180
 aatagagaaa ataagctcag attaattaat tttcttgggt cttacagcaa gtaagtgatg 240
 gtactggtat ctgtacttat attgaatggt ttgactgtaa aattcttctt ttctctatat 300
 caaatagtcc cacgaggaat gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt 360
 attttaaatg agaaccaagc aaaagcttat ggtagagacc aggct 405

<210> 264
 <211> 23
 <212> DNA
 <213> Homo sapiens

<400> 264
 tccttgcaaa tgtctctttc ttc 23

<210> 265
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 265
 atgggaagga atttgggact 20

<210> 266
 <211> 171
 <212> DNA

<213> Homo sapiens

<400> 266

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cacacacaca cacacacaca cacacacaca ttctctccct ctctcactcc ctactttttt 120
ccttcccact gagagattca aaccttcaaa aagtcccaaa ttccttccca t 171
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<210> 267

<211> 20

<212> DNA

<213> Homo sapiens

<400> 267

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caccattctg tcggctgtaa 20
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<210> 268

<211> 20

<212> DNA

<213> Homo sapiens

<400> 268

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aaagggttg gtaactcctc 20
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<210> 269

<211> 180

<212> DNA

<213> Homo sapiens

<400> 269

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caccattctg tcggctgtaa aagcacggca ccagcatctg ctgggttct tgtgaggcct 60
caggaagctt ttactcatgg ttgaagggtga atgcagagca ggtatatcac atgggtgagag 120
ggggagttag agagagagag agagagagag agagagagag gaggagttac caagcccttt 180
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<210> 270

<211> 20

<212> DNA

<213> Homo sapiens

<400> 270

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cacgaccaca ccagcctaata 20
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<210> 271

<211> 18

<212> DNA

<213> Homo sapiens

<400> 271

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aaaggcaggc aggcacag 18
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<210> 272

<211> 195

<212> DNA

<213> Homo sapiens

<400> 272

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cacgaccaca ccagcctaata tttgtgtgta cgtgtgtgtg tgtgtgtgtg tgtgtgtgtg 60
tgtgtttttg tagaggcaga gtttcactat gttgccagg ctggtcttga actcctgggc 120
tcaagtgtac tgccccacct cggcctcccg aagtgtctggg attacagggtg tgagcctctg 180
tgctgtctg ccttt 195
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<210> 273

<211> 20
 <212> DNA
 <213> Homo sapiens

<400> 273
 gaatggaagc aaggatgagc 20

<210> 274
 <211> 21
 <212> DNA
 <213> Homo sapiens

<400> 274
 gacgctgggc tatttcaggt g 21

<210> 275
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 275
 gaatggaagc aaggatgagc tgctgcattt ctgtagctgg cattcagctc aagaatacgt 60
 aaaaccagac tcgtgggttt ttctttcttt ctttctttct ttctttttga atgtgaggcc 120
 tttacagaaa aagaaaatgt cagtctgatt atccagggca tgaggataaa gagaagcca 180
 aacaaagggt tccccactc caccaccac aatatactgt ggcactagaa aacgattcca 240
 gaatcagaaa ctatatgctg acgtccatta gccctcttag tagcacctga aatagaccag 300
 cgtc 304

<210> 276
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 276
 caatcaagcc tgtgtcgagt 20

<210> 277
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 277
 aggaaggcat ttgaatgagc 20

<210> 278
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 278
 caatcaagcc tgtgtcgagt taagaattaa atgggagggt gcagtgagcc aatatcatgc 60
 cactgcactc caggctgggc gacaggataa gactccatct caaaataaaa aaaataaaaa 120
 aataaagggt tgtatttctt ttttcttaag ctcattcaaa tgccttcct 169

<210> 279
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 279
 ggatggcctt tggttaactga 20

<210> 280
 <211> 24
 <212> DNA
 <213> Homo sapiens

<400> 280
 ggaaatgaac atgataacat ctgg 24

<210> 281
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 281
 ggatggcctt tggtaactga tctcatgacc aatattaagc tgtgagctct cttttccgaa 60
 tttttacatt atcctcttac aaccacctcc ctcaacacac acacacacac acacacacac 120
 acacacacac actctctctc acactcccca cccagatgtt atcatgttca tttcc 175

<210> 282
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 282
 ccatttacgc tttggtctgc 20

<210> 283
 <211> 20
 <212> DNA
 <213> Homo sapiens

<400> 283
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<213> Homo sapiens

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tattttattt tttattttatt tatttaagca tttttctcta tcagagtata cctgtcacca 180
tggcagggat ttgtctgcct ctttctcttt cactgaagta cccacagtac ccggcatagt 240
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agaggggt                                     307

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<213> Homo sapiens

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<211> 24

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<213> Homo sapiens

<400> 289

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aactgcataa atatttgacg tgga                                     24

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<210> 290

<211> 113

<212> DNA

<213> Homo sapiens

<400> 290

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aatcgctgct acagggacac acatatctct ctatccatac acacacacac acacacacac 60
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cggagggagc taggaacag                                     19

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<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 106

<223> n = A,T,C or G

<400> 293

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tgttcctagc	tcctcccg					138